

Notice of Allowability

Application No.

10/629,640

Examiner

Christian La Forgia

Applicant(s)

AMER, MAHER

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12 December 2007.
2. ☒ The allowed claim(s) is/are 1-4,6-14 and 16-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

1. The amendment of 12 December 2007 has been noted and made of record.
2. Claims 1-4, 6-14, and 16-20 have been presented for examination.
3. Claims 5 and 15 have been cancelled as per Applicant's request.

Response to Arguments

4. Applicant's arguments, see page 6, filed 12 December 2007, with respect to the objection of claims 17-20 have been fully considered and are persuasive. The objection of claims 17-20 has been withdrawn.
5. Applicant's arguments on page 6 and claim amendments filed 12 December 2007, with respect to the 35 U.S.C. 112, 2nd rejection, have been fully considered and are persuasive. The 35 U.S.C. 112, 2nd rejection of claim 20 has been withdrawn.
6. Applicant's arguments, see page 7, filed 12 December 2007, with respect to the 35 U.S.C. 102(e) rejections of independent claim 1 have been fully considered and are persuasive. The prior art rejection of claims 1-4, 6, and 7 has been withdrawn.
7. Applicant's arguments, see page 7, filed 12 December 2007, with respect to the 35 U.S.C. 102(e) rejections of independent claims 8, 13, and 17 have been fully considered and are persuasive. The prior art rejection of claims 8-14 and 16-20 has been withdrawn.

Allowable Subject Matter

8. Claims 1-4, 6-14, and 16-20 are allowed.
9. The following is an examiner's statement of reasons for allowance:

As noted above, the Examiner agrees with the Applicant's arguments regarding claim 1 that the prior art does not teach a parallel scrambler that selects the next sequence of serial

scrambling bits by generating a next state of the subset [scrambling bits] by logically [i.e. XOR, AND, etc.] manipulating at least one bit of the current state of the subset [scrambling bits] with at least another bit of the current state of the subset [scrambling bits]. Since the Examiner cannot find a teaching of the abovementioned feature, or any suggestion that would render said feature obvious, claims 1-4, 6, and 7 are novel and non-obvious.

Also as noted above, the Examiner agrees with the Applicant's arguments regarding independent claims 8, 13, and 17 that the prior art does not teach a parallel scrambler that selects the next sequence of serial scrambling bits by determining by logically [i.e. XOR, AND, etc.] manipulating at least one bit of a preceding state of the subset [scrambling bits] with at least another bit of the preceding state of the subset [scrambling bits]. Since the Examiner cannot find a teaching of the abovementioned feature, or any suggestion that would render said feature obvious, claims 8-14 and 16-20 are novel and non-obvious.

10. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christian La Forgia whose telephone number is (571) 272-3792. The examiner can normally be reached on Monday thru Thursday 7-5.

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12. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

13. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christian LaForgia
Patent Examiner
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A handwritten signature in black ink, appearing to read 'C. LaForgia', with a large, stylized loop at the end.

clf